

**Semester – VI**

**EE8661 - POWER ELECTRONICS & DRIVES  
LABORATORY**

**LIST OF EXPERIMENTS**

- ❖ **Gate Pulse Generation using R, RC and UJT**
- ❖ **Characteristics of SCR and TRIAC**
- ❖ **Characteristics of MOSFET and IGBT**
- ❖ **AC to DC half controlled converter**
- ❖ **AC to DC fully controlled Converter**
- ❖ **Step down and step up MOSFET based choppers**
- ❖ **IGBT based single phase PWM inverter**
- ❖ **IGBT based three phase PWM inverter**
- ❖ **AC Voltage controller**
- ❖ **Switched mode power converter.**
- ❖ **Simulation of PE circuits**
- ❖ **( $1\phi$  &  $3\phi$  semi converters,  $1\phi$  &  $3\phi$  full converters, DC-DC converters, AC voltage controllers)**
- ❖ **Characteristics of GTO & IGCT**
- ❖ **Characteristics of PMSLDC motor**

